



PCT/GB 2003/002443
10/517187



INVESTOR IN PEOPLE



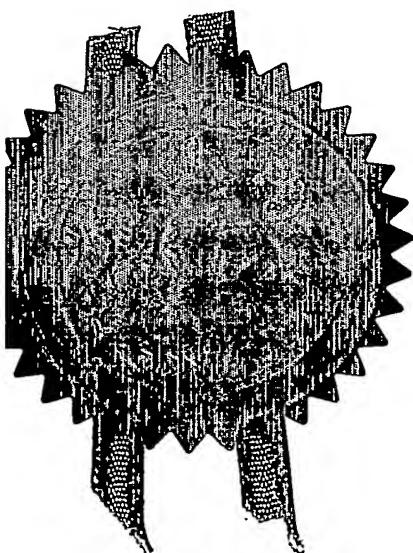
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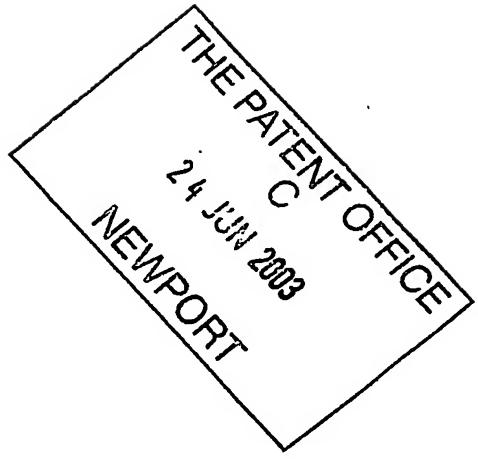
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Description 4

Claim(s)

Abstract

Drawing(s) 1 + (Signature)

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Priority documents

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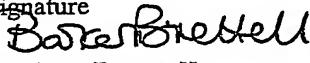
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Date
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11. Name and daytime telephone number of person to contact in the United Kingdom

Julie Dunnett

Tel: 01223411355

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11/08/2003
NEWPORT
PATENT OFFICE

Improved garmentField of the invention

5 The present invention relates to a garment adapted to deliver a medicament to the wearer. The invention is applicable with particular advantage to garments adapted for the delivery of inhalable medicaments including sports clothing, and in particular for clothing for children.

10 There are many different oils and creams available which are impregnated with a vapourising decongestant. Such creams and oils are intended for use on the skin such that the heat of the skin heats up the decongestant to slowly release decongesting vapour which can be inhaled to keep the nasal passages clear.

15

Such oils and creams can in some cases irritate the skin especially the delicate skin of children. Parents often rub such creams into the clothing of the child or impregnate a handkerchief with a decongestant oil. The amount of decongestant is not controlled and it can also ruin the clothes 20 by staining them. In such cases the decongestant can also come into contact with the skin causing the same irritation.

25 Even professional sportsmen sometimes rub a slow release vapourising decongestant into their shirt. They have found that this can help to keep their head and nasal passages clear while indulging in their sporting activity, especially in cold weather.

Summary of the invention

30 According to the invention a garment includes a pad holder for receiving and holding securely a medicament impregnated pad.

The medicament may be any material which has a curative or alleviating effect, which has to be brought into close proximity to the user to have its effect.

5

The medicament may be a muscle relaxant compound, in which case the pad holder is positioned in a region in close contact with an area of pain of the wearer.

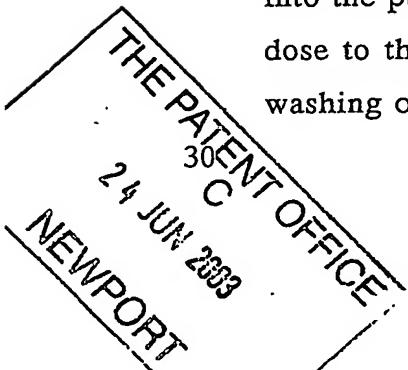
- 10 Alternatively however the medicament is inhalable, such as a vapourised decongestant. In such cases the pad holder is positioned such as to locate the pad in a position such that vapourised decongestant may readily be inhaled by the wearer.
- 15 Typically the garment will be a shirt, sporting tops, pajama tops or all-in-one suits.

- 20 The pad holder is preferably a pocket into which the pad may be slipped and readily removed. It may have a closure to prevent the pad from falling out when the garment is worn, in particular during active sports.

Alternatively the pocket may be an open-topped pocket. Provided that the pad size is only just smaller than the pocket once in position when the garment is worn it will be held securely.

25

The advantage of this system is that the decongestant can be impregnated into the pad at exactly the correct concentration to deliver a recommended dose to the wearer. The pad may be readily removed from the holder for washing of the garment and for replacing after a predetermined time.



NEWPORT

The pocket may be outside the garment, in which case the pocket may be decorative, or may include advertising matter.

Preferably the pocket is on the inside of the garment to ensure that the
5 heat of the skin can release the decongestant vapour. Typically the pocket
may be of a net or mesh material which will hold the pad securely but
allow the skin to be in contact with the pad. In the event that the
decongestant used may irritate the skin of the wearer a light cotton
material may be preferred. The pocket may be a woven or non-woven
10 material.

Preferably the pad is of a shape and size to ensure that it is not heavy for
the weight of garment material and that it is not obtrusive for the wearer.
Conveniently the pad may be in a square or rectangular pillow shape with
15 sides between 2cm and 16cm and depth between $\frac{1}{4}$ cm to 1cm.

The choice of suitable vapourising decongestant will be apparent to the
skilled addressee of the specification as will be the choice of appropriate
material for the pad for receiving the decongestant. Typically a suitable
20 material for the pad will be dependent on the decongestant formulation
chosen.

Although the invention is applicable with particular advantage to sports
garments such as football shirts, the invention may also be applied with
25 advantage to children's night clothes - even baby clothes. There is a
perennial problem of how to clear the nasal passages of a baby or young
child and measures which will prevent the build up of mucous in their
nose during the night hours.

30 In one embodiment of the invention, the pocket may be in the form of a
bag having an iron-on surface which can be positioned on a garment as

required by the user and then secured in position by ironing and activating the adhesive in the iron-on surface. However, the pocket could equally be stitched into position.

5 Brief description of the drawings

An example of a garment in accordance with the invention will now be described with reference to the accompanying drawing in which:-

10 Description of the preferred embodiment

A garment 1 includes a pad holder 3 for receiving and holding securely a vapourising decongestant impregnated pad 5, the pad holder 3 positioned such as to locate the pad 5 in a position such that vapourised decongestant 15 may readily be inhaled by the wearer of the garment.

In this case the garment is a sports shirt with the pad holder 3 positioned at the centre of the front of the garment just below the neckline to ensure that the vapourised decongestant can readily be inhaled by the wearer of 20 the garment.

The pad holder 3 is in this case in the form of an open-topped pocket 7 of net material. The dimensions of the pocket are 12.5cm by 15.5cm and the dimensions of the pad are 7.5cm by 10cm.



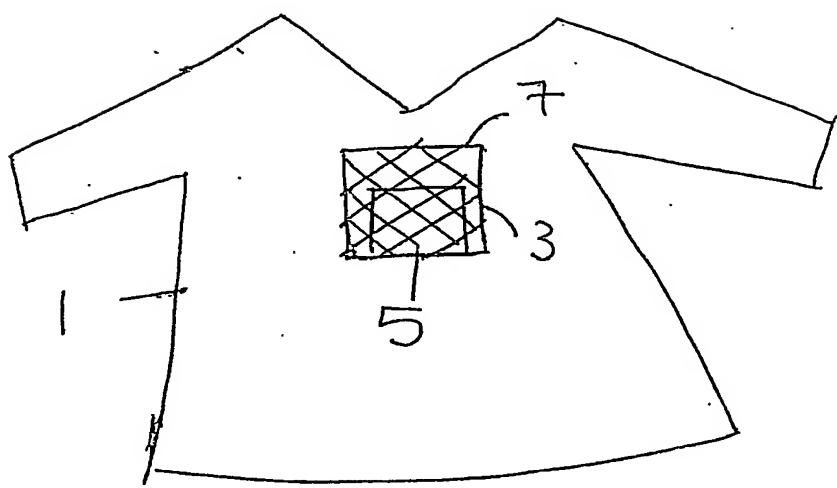
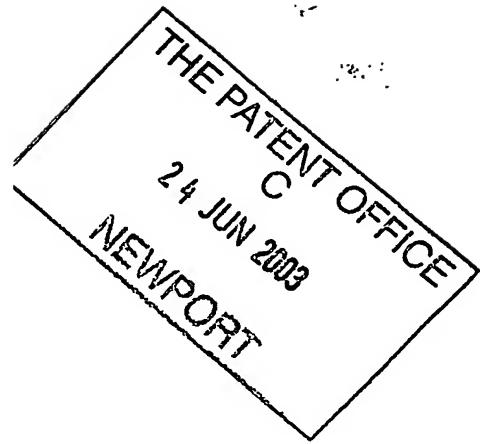


FIGURE 1

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